3625 Del Amo Boulevard, Suite 180 Torrance, California 90503-1643 (310) 370-8370 (310) 370-7026 FAX www.hygienetech.com

October 5, 2012

California State Board of Equalization 450 N Street Sacramento, California 94279

Document No. 21209001.1

Attention: David Gau

Regarding: Limited Fungal Growth Exposure Assessment Surveys

September 2012 Random Sampling

Dear Mr. Gau:

On September 7, 14, 21, and 28, 2012, industrial hygienists with Hygiene Technologies International, Inc. (HygieneTech) conducted limited fungal growth exposure assessment surveys involving twenty two randomly selected areas located within the California State Board of Equalization (BOE) building. The findings of the surveys, along with the analytical data, conclusions, and recommendations when applicable, appear below.

On the survey dates, air samples were collected for total (viable and nonviable) fungi analyses using a Zefon brand Bio-Pump[™] equipped with Air-O-Cell[™] cassettes. All such samples were subsequently analyzed for fungi (including yeasts, molds, rusts, smuts, and mushrooms) by trained and experienced microbiologists at a laboratory accredited by the American Industrial Hygiene Association (AIHA) and that successfully participates in the AIHA Environmental Microbiology Proficiency Analytical Testing (EMPAT) Program. The airborne fungi assessment analytical data with supporting and background information appear in the enclosed table.

As presented in Table 21208001-1, the airborne spore count data recorded showed fungal spore types outdoors such as *Alternaria*, ascospores, basidiospores, *Chaetomium*, *Cladosporium*, colorless spores typical of *Penicillium*/*Aspergillus* species, *Curvularia*, *Epicoccum*, *Nigrospora*, other brown, rusts, smuts, *Stachybotrys*, *Stemphylium*, and/or *Torula*. In the indoor areas tested, the data showed that airborne fungal spores were either not detected at or above the laboratory detection limit indicated or were detected at low airborne concentrations. The fungal spore types found indoor included basidiospores, *Bipolaris/Drechslera* group, *Botrytis*, *Chaetomium*, *Cladosporium*, colorless spores typical of *Penicillium*/*Aspergillus* species, *Nigrospora*, *Oidium*, other brown, rusts, and/or smuts. The distribution of fungal spore types detected in the surveyed areas was consistent with those found outdoors, and the overall data within the tested areas were well below the overall outdoor data recorded. These data are considered unremarkable and are not believed to pose a health risk beyond that posed by the outdoor environment where exposures to airborne fungi are expected.

Mr. David Gau October 5, 2012 Document No. 21209001.1 – September 2012 Random Sampling Page 2



Be advised that the data provided in this report only represent limited fungal growth and exposure potentials that existed at the time these surveys were performed and at the precise sample locations indicated. Note that fungal growth and exposure potentials may change due to changes in environmental conditions (such as those caused by water intrusion), use of mechanical systems, or other factors. Also be advised that additional fungal growth may exist at one or more locations in the structure that were not specifically assessed during the surveys.

If you have any comments or questions regarding the information contained in this correspondence, please feel free to contact our offices directly at (310) 370-8370.

Sincerely,

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

Kenny K. Hsi, CIH Technical Director



CLIENT: California State Board of Equalization 450 N Street Sacramento, California 94279 TABLE 21209001-1
AIRBORNE TOTAL FUNGI RESULTS
450 N STREET
SACRAMENTO, CALIFORNIA
SEPTEMBER 7,14, 21 AND 28, 2012

Page 1

Results reported in spores per cubic meter of air (spores/M³)

Results reported in spores per cubic meter of air (spores/M³)											
SAMPLE NUMBER	21209001-1 TM01OUT	21209001-1 TM02	21209001-1 TM03	21209001-1 TM04							
SAMPLING LOCATION/ACTIVITIES	Outdoors; about 10 feet east of building; approximately five feet above ground/Normal outdoor activities	1 st Floor; Supply Room 128; about center; approximately five feet above floor/Normal office activities	4 th Floor; Break Room 406; about center; approximately five feet above floor/Normal office activities	11 th Floor; Low-Rise Elevator Lobby; about center; approximately five feet above floor/Normal office activities							
DATE	09/07/12	09/07/12	09/07/12	09/07/12							
START/STOP	15:36:00/15:41:00	15:48:00/15:53:00	15:58:00/16:03:00	16:06:00/16:11:00							
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes							
Alternaria	27										
Arthrinium											
Ascospores	160										
Basidiospores	590										
Bipolaris/Drechslera group											
Botrytis				110							
Chaetomium	40			13							
Cladosporium	1,100										
Curvularia											
Epicoccum	27										
Fusarium											
Myrothecium											
Nigrospora	13										
Oidium											
Other brown	27										
Penicillium/Aspergillus types	210	53	53								
Pithomyces											
Rusts											
Smuts (Periconia, Myxomycetes)	80			13							
Stachybotrys	13										
Stemphylium											
Torula											
Ulocladium											
Hyphal fragments	27	<13	<13	<13							
Background debris*	3+	2+	3+	3+							
TOTAL**	2,300	53	53	130							

^{*}Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

^{**}Note that all reported counts have been rounded to no more than two significant figures based on the sampling and analytical methods used, and therefore the total count may not equal the sum of the individual counts in a column.



CLIENT: California State Board of Equalization 450 N Street Sacramento, California 94279

TABLE 21209001-1 **AIRBORNE TOTAL FUNGI RESULTS 450 N STREET** SACRAMENTO, CALIFORNIA **SEPTEMBER 7,14, 21 AND 28, 2012**

Page 2

/n #3\

Results reported in spores per cubic meter of air (spores/M ³)										
SAMPLE NUMBER	21209001-1 TM05	21209001-1 TM06OUT	21209001-1 TM07	21209001-1 TM08						
SAMPLING LOCATION/ACTIVITIES	18 th Floor; Column N20 area; about seven feet northwest of Column N20; approximately five feet above floor/Normal office activities	Outdoors; about 10 feet west of building; approximately five feet above ground/Normal outdoor activities	3 rd Floor; Room 317; reception area; about center; approximately five feet above floor/Normal office activities	6 th Floor; Elevator Lobby; about center; approximately five feet above floor/Normal office activities						
DATE	09/07/12	09/14/12	09/14/12	09/14/12						
START/STOP	16:13:00/16:18:00	15:02:00/15:07:00	15:11:00/15:16:00	15:18:00/15:23:00						
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes						
Alternaria		13								
Ascospores		110								
Basidiospores	53	210	53							
Bipolaris/Drechslera group										
Botrytis										
Chaetomium										
Cladosporium	53	1,800								
Curvularia		13								
Epicoccum										
Fusarium										
Myrothecium										
Nigrospora										
Oidium										
Other brown				13						
Penicillium/Aspergillus types		110								
Pithomyces										
Rusts	13									
Smuts (Periconia, Myxomycetes)		590	13	13						
Stachybotrys										
Stemphylium										
Torula		13								
Trichocladium		13								
Ulocladium										
Hyphal fragments	<13	110	13	<13						
Background debris*	2+	3+	2+	3+						
TOTAL**	120	2.900	67	27						

^{*}Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

^{**}Note that all reported counts have been rounded to no more than two significant figures based on the sampling and analytical methods used, and therefore the total count may not equal the sum of the individual counts in a column.



CLIENT: California State Board of Equalization 450 N Street Sacramento, California 94279

TABLE 21209001-1 **AIRBORNE TOTAL FUNGI RESULTS 450 N STREET** SACRAMENTO, CALIFORNIA **SEPTEMBER 7,14, 21 AND 28, 2012**

Page 3

/n =3\

Results reported in spores per cubic meter of air (spores/M³)										
SAMPLE NUMBER	21209001-1 TM09	21209001-1 TM10	21209001-1 TM11	21209001-1 TM12						
SAMPLING LOCATION/ACTIVITIES	9 th Floor; northern quadrant; about seven feet north of Storage Room 9C; approximately five feet above floor/Normal office activities	14 th Floor; southern hallway; about three feet south of Freight Elevator; approximately five feet above floor/Normal office activities	16 th Floor; Elevator Lobby; about center; approximately five feet above floor/Normal office activities	19 th Floor; Quiet Room 1908; approximately five feet above floor/Normal office activities						
DATE	09/14/12	09/14/12	09/14/12	09/14/12						
START/STOP	15:25:00/15:30:00	15:32:00/15:37:00	15:44:00/15:49:00	15:52:00/15:57:00						
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes						
Alternaria										
Arthrinium										
Ascospores										
Basidiospores	53									
Bipolaris/Drechslera group				13						
Botrytis										
Chaetomium										
Cladosporium		53								
Curvularia										
Epicoccum										
Fusarium										
Myrothecium										
Nigrospora										
Oidium										
Other brown										
Penicillium/Aspergillus types	53	160								
Pithomyces										
Rusts										
Smuts (Periconia, Myxomycetes)	27			13						
Stachybotrys										
Stemphylium										
Torula										
Ulocladium										
Hyphal fragments	<13	13	<13	13						
Background debris*	3+	3+	3+	2+						
TOTAL**	130	210	<13	27						

^{*}Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

^{**}Note that all reported counts have been rounded to no more than two significant figures based on the sampling and analytical methods used, and therefore the total count may not equal the sum of the individual counts in a column.

APPENDIX A

CLIENT: California State Board of Equalization 450 N Street Sacramento, California 94279

TABLE 21209001-1 **AIRBORNE TOTAL FUNGI RESULTS 450 N STREET** SACRAMENTO, CALIFORNIA **SEPTEMBER 7,14, 21 AND 28, 2012**

Page 4

Results reported in spores per cubic meter of air (spores/M³)										
SAMPLE NUMBER	21209001-1 TM13	21209001-1 TM14	21209001-1 TM15OUT	21209001-1 TM16						
SAMPLING	20 th Floor; Break	24 th Floor; Room	Outdoors; about 10	5 th Floor; Column N19						
LOCATION/ACTIVITIES	Room 2008;; about center; approximately	2417; about center; approximately five	feet south of building; approximately five	area; about two feet west of Column N19;						
	five feet above	feet above	feet above	approximately five feet						
	floor/Normal office	floor/Sampling	ground/Normal	above floor/Normal						
DATE	activities 09/14/12	activities only 09/14/12	outdoor activities 09/21/12	office activities 09/21/12						
START/STOP	16:03:00/16:08:00	16:12:00/16:17:00	10:14:00/10:19:00	10:24:00/10:29:00						
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes						
Alternaria			13							
Arthrinium										
Ascospores			110							
Basidiospores			1,200	53						
Bipolaris/Drechslera group										
Botrytis										
Chaetomium			13							
Cladosporium			2,800							
Curvularia			13							
Epicoccum			27							
Fusarium										
Myrothecium										
Nigrospora										
Oidium										
Other brown										
Penicillium/Aspergillus types		53	110							
Pithomyces										
Rusts			40							
Smuts (Periconia, Myxomycetes)			210	110						
Stachybotrys										
Torula			27							
Ulocladium										
Zygomycetes										
Hyphal fragments	<13	<13	120	<13						
Background debris*	2+	1+	3+	2+						
TOTAL**	<13	53	4,600	160						

^{*}Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

^{**}Note that all reported counts have been rounded to no more than two significant figures based on the sampling and analytical methods used, and therefore the total count may not equal the sum of the individual counts in a column.



CLIENT: California State Board of Equalization 450 N Street Sacramento, California 94279

TABLE 21209001-1 **AIRBORNE TOTAL FUNGI RESULTS 450 N STREET** SACRAMENTO, CALIFORNIA **SEPTEMBER 7,14, 21 AND 28, 2012**

Page 5

/n =3\

Results reported in spores per cubic meter of air (spores/M³)										
SAMPLE NUMBER	21209001-1 TM17	21209001-1 TM18	21209001-1 TM19	21209001-1 TM20						
SAMPLING LOCATION/ACTIVITIES	8 th Floor; adjacent to Conference Room 802 entry door; approximately five feet above floor/Normal office activities	10 th Floor; Break Room 1009; about center; approximately five feet above floor/Normal office activities	17 th Floor; eastern hallway; adjacent to Room 1702; approximately five feet above floor/Normal office activities	21 st Floor; south hallway; about five feet southwest of Freight Elevator; approximately five feet above floor/Normal office activities						
DATE	09/21/12	09/21/12	09/21/12	09/21/12						
START/STOP	10:33:00/10:38:00	10:41:00/10:46:00	10:52:00/10:57:00	11:02:00/11:07:00						
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes						
Alternaria										
Arthrinium										
Ascospores										
Basidiospores										
Bipolaris/Drechslera group										
Botrytis										
Chaetomium										
Cladosporium				53						
Curvularia										
Epicoccum										
Fusarium										
Myrothecium										
Nigrospora			13							
Oidium			13							
Other brown										
Penicillium/Aspergillus types										
Pithomyces										
Rusts										
Smuts (Periconia, Myxomycetes)	13	13	13	13						
Stachybotrys										
Torula										
Ulocladium										
Zygomycetes										
Hyphal fragments	13	53	13	27						
Background debris*	1+	2+	2+	2+						
TOTAL**	13	13	40	67						

^{*}Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

^{**}Note that all reported counts have been rounded to no more than two significant figures based on the sampling and analytical methods used, and therefore the total count may not equal the sum of the individual counts in a column.



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TABLE 21209001-1 **AIRBORNE TOTAL FUNGI RESULTS 450 N STREET** SACRAMENTO, CALIFORNIA **SEPTEMBER 7,14, 21 AND 28, 2012**

Page 6

/n #3\

Results reported in spores per cubic meter of air (spores/M³)										
SAMPLE NUMBER	21209001-1 TM21OUT	21209001-1 TM22	21209001-1 TM23	21209001-1 TM24						
SAMPLING LOCATION/ACTIVITIES	Outdoors; about 15 feet north of building; approximately five feet above ground/Normal outdoor activities	2 nd Floor; Column N19 area; about 10 feet west of Column N19; approximately five feet above floor/Normal office activities	7 th Floor; Column K19 area; about 20 feet southeast of Column K19; approximately five feet above floor/Normal office activities	15 th Floor; Column K22 area; about 15 feet north of Column K22; approximately five feet above floor/Normal office activities						
DATE	09/28/12	09/28/12	09/28/12	09/28/12						
START/STOP	12:02:00/12:07:00	12:12:00/12:17:00	12:21:00/12:26:00	12:30:00/12:35:00						
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes						
Alternaria	53									
Arthrinium										
Ascospores	53									
Basidiospores	590	110	53	53						
Bipolaris/Drechslera group										
Botrytis										
Chaetomium	40									
Cladosporium	2,600									
Curvularia										
Epicoccum										
Fusarium										
Myrothecium										
Nigrospora	93									
Oidium										
Other brown										
Penicillium/Aspergillus types	1,500			110						
Pithomyces										
Rusts										
Smuts (Periconia, Myxomycetes)	1,400	13								
Stachybotrys	13									
Stemphylium	13									
Torula										
Ulocladium										
Hyphal fragments	130	<13	<13	13						
Background debris*	3+	2+	2+	3+						
TOTAL**	6,300	120	53	160						

^{*}Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

^{**}Note that all reported counts have been rounded to no more than two significant figures based on the sampling and analytical methods used, and therefore the total count may not equal the sum of the individual counts in a column.



CLIENT: California State Board of Equalization 450 N Street Sacramento, California 94279

TABLE 21209001-1 **AIRBORNE TOTAL FUNGI RESULTS 450 N STREET** SACRAMENTO, CALIFORNIA **SEPTEMBER 7,14, 21 AND 28, 2012**

Page 7

SAMPLE NUMBER	21209001-1 TM25	21209001-1 TM26		
SAMPLING LOCATION/ACTIVITIES	22 nd Floor; Room 2210; about 10 feet west of Room 2009 entry door; approximately five feet above floor/Normal office activities	23 rd Floor; northern hallway at northwestern corner; approximately five feet above floor/Normal office activities	This column intentionally left blank.	This column intentionally left blank
DATE	09/28/12	09/28/12		
START/STOP	12:42:00/12:47:00	12:50:00/12:55:00		
SAMPLE TIME	5 minutes	5 minutes		
Alternaria				
Arthrinium				
Ascospores				
Basidiospores	110	53		
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium				
Curvularia				
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types		53		
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Torula				
Ulocladium				
Zygomycetes				
Hyphal fragments	<13	<13		
Background debris*	2+	2+		
TOTAL**	110	110		

^{*}Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

^{**}Note that all reported counts have been rounded to no more than two significant figures based on the sampling and analytical methods used, and therefore the total count may not equal the sum of the individual counts in a column.



Report for:

Mr. Larry Sandhu Hygiene Technologies International, Inc.: Northern California 3625 Del Amo Boulevard, Suite 180 Torrance, CA 90503-8370

Regarding: Project: 21209001-1

EMĹ ID: 967506

Approved by:

Lab Manager Malcolm Moody Dates of Analysis:

Spore trap analysis: 09-11-2012

Service SOPs: Spore trap analysis (1038) AIHA accredited service

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.: Date of Sampling: 09-07-2012

Northern California Date of Receipt: 09-10-2012 C/O: Mr. Larry Sandhu Date of Report: 09-11-2012

Re: 21209001-1

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:)9001- 01out)9001- M02)9001- M03)9001- M04	21209001- TM05	
Comments (see below)	N	one	N	one	N	one	None		N	one
Lab ID-Version‡:	4317	7583-1	4317	7584-1	4317585-1		4317586-1		4317587-1	
Analysis Date:	09/1	1/2012	09/1	1/2012	09/1	1/2012	09/1	1/2012	09/11/2012	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	2	27								
Ascospores	3	160								
Basidiospores	11	590					2	110	1	53
Chaetomium	3	40					1	13		
Cladosporium	21	1,100							1	53
Epicoccum	2	27								
Myrothecium										
Nigrospora	1	13								
Other brown	2	27								
Other colorless										
Penicillium/Aspergillus types†	4	210	1	53	1	53				
Pithomyces										
Rusts									1	13
Smuts, Periconia, Myxomycetes	6	80					1	13		
Stachybotrys	1	13								
Stemphylium										
Torula										
Ulocladium										
Zygomycetes										
Background debris (1-4+)††	3+		2+		3+		3+		2+	
Hyphal fragments/m3	27		< 13		< 13		< 13		< 13	
Pollen/m3	80		< 13		< 13		13		< 13	
Skin cells (1-4+)	1+		1+		2+		2+		1+	
Sample volume (liters)	75		75		75		75		75	
§ TOTAL SPORES/m3		2,300		53		53		130		120

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

EMLab P&K, LLC EMLab ID: 967506, Page 2 of 2

[†] The spores of Aspergillus and Penicillium (and others such as Acremonium, Paecilomyces) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.

^{††}Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory. ‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

[§] Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

Client: Hygiene Technologies International, Inc.:

Northern California C/O: Mr. Larry Sandhu

Re: 21209001-1

Date of Sampling: 09-07-2012 Date of Receipt: 09-10-2012 Date of Report: 09-11-2012

MoldRANGETM: Extended Outdoor Comparison

Outdoor Location: 21209001-TM01out

Fungi Identified	Outdoor		Typica	l Outo	loor Da	ıta for	:	Typical Outdoor Data for:					
	data	Septe	ember i	n Cali	fornia (n‡=141	180)†	The er	The entire year in California (n‡=175031)†				
	spores/m3	very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	27	13	13	27	53	93	61	13	13	27	67	110	55
Bipolaris/Drechslera group	-	7	13	13	27	53	19	7	13	13	27	40	12
Chaetomium	40	8	13	13	27	53	27	8	13	13	27	44	19
Cladosporium	1,100	170	320	850	2,100	3,500	99	110	210	640	1,700	2,800	97
Curvularia	-	7	13	13	40	60	16	7	13	13	27	53	6
Epicoccum	27	7	13	13	27	53	21	8	13	13	33	53	19
Nigrospora	13	10	13	13	40	93	18	7	13	13	27	53	8
Other brown	27	13	13	13	40	53	38	13	13	13	40	53	35
Penicillium/Aspergillus types	210	53	110	270	750	1,200	90	53	110	210	590	1,000	85
Stachybotrys	13	7	13	13	27	67	5	7	13	13	33	67	4
Torula	-	7	13	13	40	67	14	8	13	13	40	67	12
Seldom found growing indoors**													
Ascospores	160	13	33	80	210	370	68	25	53	110	350	690	72
Basidiospores	590	49	67	190	480	850	93	53	80	270	1,000	2,300	94
Rusts	-	8	13	13	40	80	27	13	13	13	53	80	27
Smuts, Periconia, Myxomycetes	80	13	13	40	120	190	75	13	13	40	110	200	68
§ TOTAL SPORES/m3	2,300												

[†]The "Typical Outdoor Data' represents the typical outdoor spore levels for the location and time frame indicated. The last column represents the frequency of occurrence. The very low, low, med, high, and very high values represent the 10, 20, 50, 80, and 90 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 20% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. In addition, EMLab P&K may not have received and tested a representative number of samples for every region or time period. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken or omitted in reliance upon, this report.

EMLab P&K, LLC EMLab ID: 967506, Page 1 of 1

[§] Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

^{*}The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

^{**}These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

 $[\]ddagger$ n = number of samples used to calculate data.

Client: Hygiene Technologies International, Inc.:

Northern California C/O: Mr. Larry Sandhu

Re: 21209001-1

Date of Sampling: 09-07-2012 Date of Receipt: 09-10-2012 Date of Report: 09-11-2012

MoldSTATTM: Supplementary Statistical Spore Trap Report

Outdoor Summary: 21209001-TM01out:

Species detected		Outdoor	r sample s _l	pores/m3		Typical outdoor ranges			Freq.
	<100 1K 10K >100K			(Nor	%				
Alternaria				27		7 -	33	- 560	47
Ascospores				160		13 -	190	- 5,400	77
Basidiospores				590		13 -	430	- 22,000	92
Chaetomium				40		7 -	13	- 150	10
Cladosporium				1,100)	27 -	480	- 10,000	91
Epicoccum				27		7 -	20	- 360	26
Nigrospora				13		7 -	13	- 230	16
Other brown				27		7 -	13	- 120	25
Penicillium/Aspergillus types				210		13 -	160	- 2,600	70
Smuts, Periconia, Myxomycetes				80		7 -	47	- 960	65
Stachybotrys				13		7 -	13	- 530	3
Total				2,300)				

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurrence is 63%, it would mean that we typically detect the given spore type on 63 percent of all outdoor samples and, when detected, 2.5% of the time it is present in levels below 53 spores/m3.

Indoor Samples

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman correlati (indoor/ou	on***	MoldSCORE**** (indoor/outdoor)	
Result: 2%	dF: 3 Result: 1.6500 Critical value: 7.8147 Inside Similar: Yes	Result: 0.1667		dF: 11 Result: 0.5364 Critical value: 0.5273 Outside Similar: Yes		Score: 108 Result: Low	
Species	Detected		Spores/m3				
		<100	1K		10K	>100K	
Penic	illium/Aspergillus types					53	
	Total					53	

Client: Hygiene Technologies International, Inc.: Northern California Date of Sampling: 09-07-2012 Date of Receipt: 09-10-2012 C/O: Mr. Larry Sandhu Date of Report: 09-11-2012

Re: 21209001-1

MoldSTATTM: Supplementary Statistical Spore Trap Report

Location: 21209001-TM03

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		correl	nan rank lation*** r/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 2%	dF: 3 Result: 1.6500 Critical value: 7.8147 Inside Similar: Yes	Result: 0.1667		dF: 11 Result: 0.5364 Critical value: 0.5273 Outside Similar: Yes		Score: 108 Result: Low	
Species	Detected	Spores/m3					
		<100	1K		10K	>100K	
Penic	llium/Aspergillus types					53	
	Total					53	

Location: 21209001-TM04

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio* (indoor/outdoor)		MoldSCORE**** (indoor/outdoor)						
Result: 5%	dF: 3 Result: 1.6500 Critical value: 7.8147 Inside Similar: Yes	Result: 0.4286	dF: 11 Result: 0.4864 Critical value: 0.5273 Outside Similar: No	Score: 118 Result: Low						
Species 1	Detected	Spores/m3								
		<100	10K	>100K						
	Basidiospores			110						
	Chaetomium			13						
Smuts, P	Periconia, Myxomycetes			13						
	Total			130						

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreemen (indoor/o		Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)			
Result: 5%	Result: 5% dF: 3 Result: 1.6500 Critical value: 7.8147 Inside Similar: Yes		0.2857	dF: 12 Result: 0.4825 Critical value: 0.4965 Outside Similar: No	Score: 102 Result: Low			
Species 1	Detected			Spores/m3				
		<100	1K	10K	>100K			
	Basidiospores	3			53			
	Cladosporium				53			
	Rusts				13			
	Total				120			

Client: Hygiene Technologies International, Inc.:

Northern California C/O: Mr. Larry Sandhu

Re: 21209001-1

Date of Sampling: 09-07-2012 Date of Receipt: 09-10-2012 Date of Report: 09-11-2012

MoldSTATTM: Supplementary Statistical Spore Trap Report

- * The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.
- ** An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.
- *** The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H0) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.
- **** MoldSCORETM is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. EMLab P&Kreserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor ranges" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. With the statistical analysis provided, as with all statistical comparisons and analyses, false-positive and false-negative results can and do occur. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the data contained in, or any actions taken or omitted in reliance upon, this report.

EMLab P&K, LLC EMLab ID: 967506, Page 3 of 3

Client: Hygiene Technologies International, Inc.:

Northern California C/O: Mr. Larry Sandhu

Re: 21209001-1

Date of Sampling: 09-07-2012 Date of Receipt: 09-10-2012 Date of Report: 09-11-2012

MoldSCORETM: **Spore Trap Report Outdoor Sample:** 21209001-TM01out

Fungi Identified	Oı	ıtd	00	r	san	npl	le	spo	re	s/r	n3	Raw	Spores/
_	<10	0		1	K			10K		>1	00K	count	m3
Generally able to grow indoors*													
Alternaria			Ш									2	27
Bipolaris/Drechslera group												ND	< 13
Chaetomium			Ш									3	40
Cladosporium												21	1,100
Curvularia												ND	< 13
Epicoccum												2	27
Nigrospora												1	13
Other brown												2	27
Penicillium/Aspergillus types†												4	210
Stachybotrys												1	13
Torula												ND	< 13
Seldom found growing indoors**													
Ascospores												3	160
Basidiospores												11	590
Rusts												ND	< 13
Smuts, Periconia, Myxomycetes												6	80
Total													2,307

Fungi Identified	In	do	or	sam	ple	S	por	es/	m3	3	Raw	Spores/
	<100)		1K			10K		>10	0K	count	m3
Generally able to grow indoors*												
Alternaria									Ш		ND	< 13
Bipolaris/Drechslera group											ND	< 13
Chaetomium									Ш		ND	< 13
Cladosporium											ND	< 13
Curvularia											ND	< 13
Nigrospora									Ш		ND	< 13
Penicillium/Aspergillus types†											1	53
Stachybotrys											ND	< 13
Torula											ND	< 13
Seldom found growing indoors**												
Ascospores											ND	< 13
Basidiospores											ND	< 13
Rusts											ND	< 13
Smuts, Periconia, Myxomycetes											ND	< 13
Total												53

100	MoldSCORE: 200 300									
			100							
			100							
			100							
			100							
			100							
			100							
			108							
			100							
			100							
			100							
			100							
			100							
			100							
Fina	Final MoldSCORE									

Client: Hygiene Technologies International, Inc.: Northern California

Northern California C/O: Mr. Larry Sandhu

Re: 21209001-1

Date of Sampling: 09-07-2012 Date of Receipt: 09-10-2012 Date of Report: 09-11-2012

MoldSCORETM: Spore Trap Report

Location: 21209001-TM03

Fungi Identified	Indo	or	sam	ple	spore	es/n	13	Raw	Spores/
	<100		1K		10K	>1	100K	count	m3
Generally able to grow indoors*									
Alternaria								ND	< 13
Bipolaris/Drechslera group								ND	< 13
Chaetomium								ND	< 13
Cladosporium								ND	< 13
Curvularia								ND	< 13
Nigrospora								ND	< 13
Penicillium/Aspergillus types†								1	53
Stachybotrys								ND	< 13
Torula								ND	< 13
Seldom found growing indoors**									
Ascospores								ND	< 13
Basidiospores								ND	< 13
Rusts								ND	< 13
Smuts, Periconia, Myxomycetes								ND	< 13
Total									53

MoldSCORE:	
	100
	100
	100
	100
	100
	100
	108
	100
	100
	100
	100
	100
	100
Final MoldSCORE	108

Fungi Identified	Ind	oor	sam	ple	spor	es/r	n3	Raw	Spores/
	<100		1K		10K	>	100K	count	m3
Generally able to grow indoors*									
Alternaria								ND	< 13
Bipolaris/Drechslera group								ND	< 13
Chaetomium								1	13
Cladosporium								ND	< 13
Curvularia								ND	< 13
Nigrospora								ND	< 13
Penicillium/Aspergillus types†								ND	< 13
Stachybotrys								ND	< 13
Torula								ND	< 13
Seldom found growing indoors**									
Ascospores								ND	< 13
Basidiospores								2	110
Rusts								ND	< 13
Smuts, Periconia, Myxomycetes								1	13
Total									133

100	MoldSC(ORE:	
			100
			100
			118
			100
			100
			100
			100
			100
			100
			100
			108
			100
			102
Fina	al MoldSCO	ORE	118

Client: Hygiene Technologies International, Inc.:

Northern California C/O: Mr. Larry Sandhu

Re: 21209001-1

Date of Sampling: 09-07-2012 Date of Receipt: 09-10-2012 Date of Report: 09-11-2012

MoldSCORETM: Spore Trap Report

Fungi Identified	Ind	00	rs	amj	ple	sį	ore	s/r	n3		Raw	Spores/
	<100			1K			10K	>	100	K	count	m3
Generally able to grow indoors*												
Alternaria											ND	< 13
Bipolaris/Drechslera group											ND	< 13
Chaetomium											ND	< 13
Cladosporium											1	53
Curvularia											ND	< 13
Nigrospora											ND	< 13
Penicillium/Aspergillus types†											ND	< 13
Stachybotrys											ND	< 13
Torula											ND	< 13
Seldom found growing indoors**												
Ascospores											ND	< 13
Basidiospores											1	53
Rusts		\prod									1	13
Smuts, Periconia, Myxomycetes											ND	< 13
Total												120

100	100 MoldSCORE 300 300										
						100					
						100					
						100					
						100					
						100					
						100					
						100					
						100					
						100					
						100					
						102					
						105					
						100					
Fin	al	Mo	ldS	COI	RE	102					

^{*}The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

^{**}These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

[†]The spores of Aspergillus and Penicillium (and others such as Acremonium, Paecilomyces) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods.

[‡]Rated on a scale from 100 to 300. A rating less than 150 is low and indicates a low probability of spores originating inside. A rating greater than 250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A rating between 150 and 250 indicates a moderate likelihood of indoor fungal growth. MoldSCORE is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the analysis on other samples (like wall cavity samples) will lead to misleading results.



Report for:

Mr. Kenny Hsi, Mr. Larry Sandhu Hygiene Technologies International, Inc.: Northern California 3625 Del Amo Boulevard, Suite 180 Torrance, CA 90503-8370

Regarding: Project: 21209001-1

EML ID: 970982

Approved by:

Dates of Analysis:

Spore trap analysis: 09-18-2012

Lab Manager Malcolm Moody

Service SOPs: Spore trap analysis (1038) AIHA accredited service

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.: Date of Sampling: 09-14-2012 Northern California Date of Receipt: 09-17-2012

C/O: Mr. Kenny Hsi, Mr. Larry Sandhu Date of Report: 09-18-2012

Re: 21209001-1

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21209001-	1 TM06 OUT	2120900	01-1 TM07	212090	01-1 TM08	
Comments (see below)	ľ	None	N	Vone	1	None	
Lab ID-Version‡:	433	1593-1	433	1594-1	433	31595-1	
Analysis Date:	09/1	8/2012	09/1	8/2012	09/	18/2012	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	
Alternaria	1	13		_			
Ascospores	2	110					
Basidiospores	4	210	1	53			
Bipolaris/Drechslera group							
Chaetomium							
Cladosporium	34	1,800					
Curvularia	1	13					
Myrothecium							
Nigrospora							
Other brown					1	13	
Other colorless							
Penicillium/Aspergillus types†	2	110					
Pithomyces							
Rusts							
Smuts, Periconia, Myxomycetes	44	590	1	13	1	13	
Stachybotrys							
Stemphylium							
Torula	1	13					
Trichocladium	1	13					
Ulocladium							
Zygomycetes							
Background debris (1-4+)††	3+		2+		3+		
Hyphal fragments/m3	110		13		< 13		
Pollen/m3	320		13		13		
Skin cells (1-4+)	< 1+		2+		2+		
Sample volume (liters)	75		75		75		
§ TOTAL SPORES/m3		2,900		67		27	

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

EMLab P&K, LLC EMLab ID: 970982, Page 2 of 4

[†] The spores of Aspergillus and Penicillium (and others such as Acremonium, Paecilomyces) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.

^{††}Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory. \ddagger A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

[§] Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

Client: Hygiene Technologies International, Inc.: Date of Sampling: 09-14-2012 Northern California

Date of Receipt: 09-17-2012 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu Date of Report: 09-18-2012

Re: 21209001-1

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	212090	01-1 TM09	2120900	01-1 TM10	212090	01-1 TM11
Comments (see below)	ľ	None	N	Vone	1	None
Lab ID-Version‡:	433	1596-1	433	1597-1	433	1598-1
Analysis Date:	09/1	8/2012	09/1	8/2012	09/18/2012	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria		_		_		_
Ascospores						
Basidiospores	1	53				
Bipolaris/Drechslera group						
Chaetomium						
Cladosporium			1	53		
Curvularia						
Myrothecium						
Nigrospora						
Other brown						
Other colorless						
Penicillium/Aspergillus types†	1	53	3	160		
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes	2	27				
Stachybotrys						
Stemphylium						
Torula						
Trichocladium						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	3+		3+		3+	
Hyphal fragments/m3	< 13		13		< 13	
Pollen/m3	13		< 13		< 13	
Skin cells (1-4+)	2+		2+		2+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		130		210		< 13

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

EMLab P&K, LLC

[†] The spores of Aspergillus and Penicillium (and others such as Acremonium, Paecilomyces) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.

^{††}Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory. \ddagger A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

[§] Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

Client: Hygiene Technologies International, Inc.: Date of Sampling: 09-14-2012 Northern California Date of Receipt: 09-17-2012

C/O: Mr. Kenny Hsi, Mr. Larry Sandhu Date of Report: 09-18-2012

Re: 21209001-1

SPORE TRAP REPORT: NON-VIARLE METHODOLOGY

Location:	212090	01-1 TM12	2120900	01-1 TM13	212090	01-1 TM14
Comments (see below)	1	None	N	Vone	1	None
Lab ID-Version‡:	433	1599-1	433	1600-1	433	1601-1
Analysis Date:	09/18/2012		09/1	8/2012	09/18/2012	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria		_		_		_
Ascospores						
Basidiospores						
Bipolaris/Drechslera group	1	13				
Chaetomium						
Cladosporium						
Curvularia						
Myrothecium						
Nigrospora						
Other brown						
Other colorless						
Penicillium/Aspergillus types†					1	53
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes	1	13				
Stachybotrys						
Stemphylium						
Torula						
Trichocladium						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		2+		1+	
Hyphal fragments/m3	13		< 13		< 13	
Pollen/m3	< 13		< 13		< 13	
Skin cells (1-4+)	2+		1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		27		< 13		53

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

EMLab P&K, LLC

EMLab ID: 970982, Page 4 of 4

[†] The spores of Aspergillus and Penicillium (and others such as Acremonium, Paecilomyces) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.

^{††}Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory. \ddagger A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

[§] Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

Client: Hygiene Technologies International, Inc.:

Northern California

C/O: Mr. Kenny Hsi, Mr. Larry Sandhu

Re: 21209001-1

Date of Sampling: 09-14-2012 Date of Receipt: 09-17-2012 Date of Report: 09-18-2012

MoldRANGE™: Extended Outdoor Comparison Outdoor Location: 21209001-1 TM06 OUT

Fungi Identified	Outdoor	Typical Outdoor Data for:					Typical Outdoor Data for:						
	data	September in California (n‡=14180)†			The er	ntire yea	ır in Ca	lifornia	(n‡=17:	5031)†			
	spores/m3	very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	13	13	13	27	53	93	61	13	13	27	67	110	55
Bipolaris/Drechslera group	-	7	13	13	27	53	19	7	13	13	27	40	12
Chaetomium	-	8	13	13	27	53	27	8	13	13	27	44	19
Cladosporium	1,800	170	320	850	2,100	3,500	99	110	210	640	1,700	2,800	97
Curvularia	13	7	13	13	40	60	16	7	13	13	27	53	6
Nigrospora	-	10	13	13	40	93	18	7	13	13	27	53	8
Penicillium/Aspergillus types	110	53	110	270	750	1,200	90	53	110	210	590	1,000	85
Stachybotrys	-	7	13	13	27	67	5	7	13	13	33	67	4
Torula	13	7	13	13	40	67	14	8	13	13	40	67	12
Trichocladium	13	7	11	13	13	27	2	7	13	13	13	27	2
Seldom found growing indoors**													
Ascospores	110	13	33	80	210	370	68	25	53	110	350	690	72
Basidiospores	210	49	67	190	480	850	93	53	80	270	1,000	2,300	94
Rusts	-	8	13	13	40	80	27	13	13	13	53	80	27
Smuts, Periconia, Myxomycetes	590	13	13	40	120	190	75	13	13	40	110	200	68
§ TOTAL SPORES/m3	2,900												

[†]The 'Typical Outdoor Data' represents the typical outdoor spore levels for the location and time frame indicated. The last column represents the frequency of occurrence. The very low, low, med, high, and very high values represent the 10, 20, 50, 80, and 90 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 20% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. In addition, EMLab P&K may not have received and tested a representative number of samples for every region or time period. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken or omitted in reliance upon, this report.

EMLab P&K, LLC EMLab ID: 970982, Page 1 of 1

[§] Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

^{*}The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

^{**}These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

 $[\]ddagger$ n = number of samples used to calculate data.

Client: Hygiene Technologies International, Inc.:

Northern California

C/O: Mr. Kenny Hsi, Mr. Larry Sandhu

Re: 21209001-1

Date of Sampling: 09-14-2012 Date of Receipt: 09-17-2012 Date of Report: 09-18-2012

MoldSTATTM: Supplementary Statistical Spore Trap Report

Outdoor Summary: 21209001-1 TM06 OUT:

Species detected		Outdoo	r sample s	pores/m3	T	ypical	outdo	or ranges	Freq.
	<100	1K	1K 10K >100K			(North America)			%
Alternaria				13		7 -	33	- 560	47
Ascospores				110		13 -	190	- 5,400	77
Basidiospores				210		13 -	430	- 22,000	92
Cladosporium				1,800		27 -	480	- 10,000	91
Curvularia				13		7 -	27	- 610	18
Penicillium/Aspergillus types				110		13 -	160	- 2,600	70
Smuts, Periconia, Myxomycetes				590		7 -	47	- 960	65
Torula				13		7 -	13	- 170	9
Trichocladium				13		7 -	13	- 67	< 1
Total				2,900					

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurrence is 63%, it would mean that we typically detect the given spore type on 63 percent of all outdoor samples and, when detected, 2.5% of the time it is present in levels below 53 spores/m3.

Indoor Samples

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 2%	dF: 7 Result: 3.9722 Critical value: 14.0671 Inside Similar: Yes	Result: 0.3636	dF: 9 Result: 0.6458 Critical value: 0.5833 Outside Similar: Yes	Score: 105 Result: Low
Species	Detected		Spores/m3	
		<100 1K	10K	>100K
	Basidiospores			53
Smuts, Periconia, Myxomycetes				13
	Total			67

Client: Hygiene Technologies International, Inc.: Northern California

C/O: Mr. Kenny Hsi, Mr. Larry Sandhu

Re: 21209001-1

Date of Sampling: 09-14-2012 Date of Receipt: 09-17-2012 Date of Report: 09-18-2012

MoldSTATTM: Supplementary Statistical Spore Trap Report

Location: 21209001-1 TM08

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)		
Result: < 1%	dF: 7 Result: 3.9722 Critical value: 14.0671 Inside Similar: Yes	Result: 0.1818	dF: 10 Result: 0.2303 Critical value: 0.5515 Outside Similar: No	Score: 107 Result: Low		
Species	Detected		Spores/m3			
		<100 1K	10K	>100K		
	Other brown			13		
Smuts, Periconia, Myxomycetes				13		
	Total			27		

Location: 21209001-1 TM09

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 4%	dF: 7 Result: 3.9722 Critical value: 14.0671 Inside Similar: Yes	Result: 0.5000		dF: 9 Result: 0.5792 Critical value: 0.5833 Outside Similar: No	Score: 108 Result: Low	
Species	Detected			Spores/m3		
		<100 1K 10K		>100K		
	Basidiospores				53	
Penicillium/Aspergillus types					53	
Smuts, Periconia, Myxomycetes					27	
	Total				130	

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 7%	dF: 7 Result: 3.9722 Critical value: 14.0671 Inside Similar: Yes	Result: 0.3636	dF: 9 Result: 0.5875 Critical value: 0.5833 Outside Similar: Yes	Score: 124 Result: Low
Species 1	Detected		Spores/m3	
		<100 1K	10 K	>100K
	Cladosporium			53
Penicillium/Aspergillus types				160
	Total			210

Client: Hygiene Technologies International, Inc.: Northern California

Date of Sampling: 09-14-2012 Date of Receipt: 09-17-2012 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu Date of Report: 09-18-2012

Re: 21209001-1

MoldSTATTM: Supplementary Statistical Spore Trap Report

Location: 21209001-1 TM11

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)			
Result: < 1%	dF: 7 Result: 3.9722 Critical value: 14.0671 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low			
Species 1	Species Detected		Spores/m3				
		<100 1K	10K	>100K			
	None Detected			< 13			

Location: 21209001-1 TM12

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearma correlation (indoor/o	tion***	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 7 Result: 3.9722 Critical value: 14.0671 Inside Similar: Yes	Result: 0.1818		dF: 10 Result: 0.2303 Critical value: 0.5515 Outside Similar: No		Score: 107 Result: Low	
Species 1	Detected			Spore	es/m3		
		<100	1K		10K	>100K	
Bip	olaris/Drechslera group						13
Smuts, P	Periconia, Myxomycetes						13
	Total						27

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)		ement ratio** loor/outdoor)	Spearman rank correlation*** (indoor/outdoo	(indoor/outdoor)				
Result: < 1%	dF: 7 Result: 3.9722 Critical value: 14.0671 Inside Similar: Yes	Result: 0.0000		dF: N/A Result: N/A Critical value: N/A Outside Similar: N/					
Species 1	Species Detected			Spores/m3					
		<100	1K	10K	>100K				
	None Detected				< 13				

Client: Hygiene Technologies International, Inc.:

Northern California

C/O: Mr. Kenny Hsi, Mr. Larry Sandhu

Re: 21209001-1

Date of Sampling: 09-14-2012 Date of Receipt: 09-17-2012 Date of Report: 09-18-2012

MoldSTATTM: Supplementary Statistical Spore Trap Report

Location: 21209001-1 TM14

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		corre	man rank elation*** or/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 1%	dF: 7 Result: 3.9722 Critical value: 14.0671 Inside Similar: Yes	Result: 0.2000		Resu Critical	dF: 9 alt: 0.4333 value: 0.5833 e Similar: No	Score: 108 Result: Low	
Species	Species Detected			Spo	ores/m3		
		<100	1K		10K	>100K	
Penic	illium/Aspergillus types					53	
	Total					53	

^{*} The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

*** The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H0) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

**** MoldSCORETM is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. EMLab P&Kreserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor ranges" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. With the statistical analysis provided, as with all statistical comparisons and analyses, false-positive and false-negative results can and do occur. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the data contained in, or any actions taken or omitted in reliance upon, this report.

EMLab P&K, LLC EMLab ID: 970982, Page 4 of 4

^{**} An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.

Client: Hygiene Technologies International, Inc.:

Northern California

C/O: Mr. Kenny Hsi, Mr. Larry Sandhu

Re: 21209001-1

Date of Sampling: 09-14-2012 Date of Receipt: 09-17-2012 Date of Report: 09-18-2012

MoldSCORETM: Spore Trap Report

Outdoor Sample: 21209001-1 TM06 OUT

Fungi Identified	Oı	ıtd	00	r s	am	pl	e s	spo	res	s/n	n3	Raw	Spores/
	<10	0		1 K	(10K		>10	00K	count	m3
Generally able to grow indoors*													
Alternaria												1	13
Bipolaris/Drechslera group												ND	< 13
Chaetomium												ND	< 13
Cladosporium												34	1,800
Curvularia												1	13
Nigrospora												ND	< 13
Penicillium/Aspergillus types†												2	110
Stachybotrys												ND	< 13
Torula												1	13
Trichocladium												1	13
Seldom found growing indoors**													
Ascospores												2	110
Basidiospores												4	210
Rusts												ND	< 13
Smuts, Periconia, Myxomycetes												44	590
Total													2,880

Fungi Identified	Ind	oor	sam	ple	spor	es/ı	m3	Raw	Spores/
	<100		1K		10K	3	>100 F	count	m3
Generally able to grow indoors*									
Alternaria								ND	< 13
Bipolaris/Drechslera group								ND	< 13
Chaetomium								ND	< 13
Cladosporium								ND	< 13
Curvularia								ND	< 13
Nigrospora								ND	< 13
Penicillium/Aspergillus types†								ND	< 13
Stachybotrys								ND	< 13
Torula								ND	< 13
Seldom found growing indoors**									
Ascospores								ND	< 13
Basidiospores								1	53
Rusts								ND	< 13
Smuts, Periconia, Myxomycetes								1	13
Total									67

100	MoldSCO	ORE:	‡
100	200	300	Score
			100
			100
			100
			100
			100
			100
			100
			100
			100
			100
			105
			100
			100
Fina	al MoldSCO	ORE	105

Client: Hygiene Technologies International, Inc.: Northern California

C/O: Mr. Kenny Hsi, Mr. Larry Sandhu

Re: 21209001-1

Date of Sampling: 09-14-2012 Date of Receipt: 09-17-2012 Date of Report: 09-18-2012

MoldSCORETM: Spore Trap Report

Location: 21209001-1 TM08

Fungi Identified	In	doc	r s	am	ple	S	por	es/ı	n3	Raw	Spores/
_	<100)		1K			10K	;	>100I	count	m3
Generally able to grow indoors*											
Alternaria										ND	< 13
Bipolaris/Drechslera group										ND	< 13
Chaetomium										ND	< 13
Cladosporium										ND	< 13
Curvularia										ND	< 13
Nigrospora										ND	< 13
Other brown										1	13
Penicillium/Aspergillus types†										ND	< 13
Stachybotrys										ND	< 13
Torula										ND	< 13
Seldom found growing indoors**											
Ascospores										ND	< 13
Basidiospores										ND	< 13
Rusts										ND	< 13
Smuts, Periconia, Myxomycetes										1	13
Total											27

	MoldS(
100	200	300	Score
			100
			100
			100
			100
			100
			100
			105
			100
			100
			100
			100
			100
			100
			101
Fin	al MoldS(CORE	107

Fungi Identified	Inc	loo	r s	amj	ole	sp	ore	s/r	n3	Raw	Spores/
	<100			1K		1	0K	>	100k	count	m3
Generally able to grow indoors*	<u></u>										
Alternaria										ND	< 13
Bipolaris/Drechslera group						Ш				ND	< 13
Chaetomium					Ш	Ш				ND	< 13
Cladosporium										ND	< 13
Curvularia						Ш				ND	< 13
Nigrospora										ND	< 13
Penicillium/Aspergillus types†										1	53
Stachybotrys										ND	< 13
Torula										ND	< 13
Seldom found growing indoors**											
Ascospores										ND	< 13
Basidiospores										1	53
Rusts										ND	< 13
Smuts, Periconia, Myxomycetes										2	27
Total											133

100	MoldSCORE 200 300								
			100						
			100						
			100						
			100						
			100						
			100						
			108						
			100						
			100						
			100						
			105						
			100						
			100						
Fina	al MoldSC	ORE	108						

Client: Hygiene Technologies International, Inc.: Northern California

C/O: Mr. Kenny Hsi, Mr. Larry Sandhu

Re: 21209001-1

Date of Sampling: 09-14-2012 Date of Receipt: 09-17-2012 Date of Report: 09-18-2012

MoldSCORETM: Spore Trap Report

Location: 21209001-1 TM10

Fungi Identified	Indo	or	sam	Raw	Spores/			
	<100		1K	10K	>	100F	count	m3
Generally able to grow indoors*								
Alternaria							ND	< 13
Bipolaris/Drechslera group							ND	< 13
Chaetomium							ND	< 13
Cladosporium							1	53
Curvularia							ND	< 13
Nigrospora							ND	< 13
Penicillium/Aspergillus types†							3	160
Stachybotrys							ND	< 13
Torula							ND	< 13
Seldom found growing indoors**								
Ascospores							ND	< 13
Basidiospores							ND	< 13
Rusts							ND	< 13
Smuts, Periconia, Myxomycetes							ND	< 13
Total								213

MoldSCORE 200 30	
100 200 30	o score
	100
	100
	100
	100
	100
	100
	124
	100
	100
	100
	100
	100
	100
Final MoldSCORE	124

Fungi Identified	Ind	oor	sam	ple	spor	es/m	3	Raw	Spores/
	<100		1 K		10K	>10)0K	count	m3
Generally able to grow indoors*									
Alternaria								ND	< 13
Bipolaris/Drechslera group								ND	< 13
Chaetomium								ND	< 13
Cladosporium								ND	< 13
Curvularia								ND	< 13
Nigrospora								ND	< 13
Penicillium/Aspergillus types†								ND	< 13
Stachybotrys								ND	< 13
Torula								ND	< 13
Seldom found growing indoors**									
Ascospores								ND	< 13
Basidiospores								ND	< 13
Rusts								ND	< 13
Smuts, Periconia, Myxomycetes								ND	< 13
Total									N/A

100	MoldSCORE 100 200 30								
			100						
			100						
			100						
			100						
			100						
			100						
			100						
			100						
			100						
			100						
			100						
			100						
			100						
Fina	al MoldSC	ORE	100						

Client: Hygiene Technologies International, Inc.: Northern California

C/O: Mr. Kenny Hsi, Mr. Larry Sandhu

Re: 21209001-1

Date of Sampling: 09-14-2012 Date of Receipt: 09-17-2012 Date of Report: 09-18-2012

MoldSCORETM: Spore Trap Report

Location: 21209001-1 TM12

Fungi Identified	Indo	Indoor sample spores/m3							Spores/
	<100		1K		10K	>	100K	count	m3
Generally able to grow indoors*									
Alternaria								ND	< 13
Bipolaris/Drechslera group								1	13
Chaetomium								ND	< 13
Cladosporium								ND	< 13
Curvularia								ND	< 13
Nigrospora								ND	< 13
Penicillium/Aspergillus types†								ND	< 13
Stachybotrys								ND	< 13
Torula								ND	< 13
Seldom found growing indoors**									
Ascospores								ND	< 13
Basidiospores								ND	< 13
Rusts								ND	< 13
Smuts, Periconia, Myxomycetes								1	13
Total									27

MoldSCORE; 100 200 300 Score											
100	100 200 300										
			100								
			105								
			100								
			100								
			100								
			100								
			100								
			100								
			100								
			100								
			100								
			100								
			101								
Fina	al MoldS	CORE	107								
		111111111111111111111111111111111111111									

Fungi Identified	Ind	oor sa	mple	spor	es/m3	Raw	Spores/
	<100	11	ζ	10K	>1001	count	m3
Generally able to grow indoors*							
Alternaria						ND	< 13
Bipolaris/Drechslera group						ND	< 13
Chaetomium						ND	< 13
Cladosporium						ND	< 13
Curvularia						ND	< 13
Nigrospora						ND	< 13
Penicillium/Aspergillus types†						ND	< 13
Stachybotrys						ND	< 13
Torula						ND	< 13
Seldom found growing indoors**							
Ascospores						ND	< 13
Basidiospores						ND	< 13
Rusts						ND	< 13
Smuts, Periconia, Myxomycetes						ND	< 13
Total							N/A

MoldSCORE; 100 200 300 Score										
			100							
			100							
			100							
			100							
			100							
			100							
			100							
			100							
			100							
			100							
			100							
			100							
			100							
Fina	l MoldSC	ORE	100							

Client: Hygiene Technologies International, Inc.:

Northern California

C/O: Mr. Kenny Hsi, Mr. Larry Sandhu

Re: 21209001-1

Date of Sampling: 09-14-2012 Date of Receipt: 09-17-2012 Date of Report: 09-18-2012

MoldSCORETM: Spore Trap Report

Fungi Identified	Ind	Indoor sample spores/m3						Raw	Spores/	
	<100		11	K		10K	>	-100I	count	m3
Generally able to grow indoors*										
Alternaria									ND	< 13
Bipolaris/Drechslera group									ND	< 13
Chaetomium									ND	< 13
Cladosporium									ND	< 13
Curvularia									ND	< 13
Nigrospora									ND	< 13
Penicillium/Aspergillus types†									1	53
Stachybotrys									ND	< 13
Torula									ND	< 13
Seldom found growing indoors**										
Ascospores									ND	< 13
Basidiospores									ND	< 13
Rusts									ND	< 13
Smuts, Periconia, Myxomycetes									ND	< 13
Total										53

MoldSCORE; 100 200 300 Score								
		100						
		100						
		100						
		100						
		100						
		100						
		108						
		100						
		100						
		100						
		100						
		100						
		100						
Final MoldSCC	RE	108						

^{*}The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

^{**}These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

[†]The spores of Aspergillus and Penicillium (and others such as Acremonium, Paecilomyces) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods.

[‡]Rated on a scale from 100 to 300. A rating less than 150 is low and indicates a low probability of spores originating inside. A rating greater than 250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A rating between 150 and 250 indicates a moderate likelihood of indoor fungal growth. MoldSCORE is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the analysis on other samples (like wall cavity samples) will lead to misleading results.



Report for:

Mr. Kenny Hsi, Mr. Larry Sandhu Hygiene Technologies International, Inc.: Northern California 3625 Del Amo Boulevard, Suite 180 Torrance, CA 90503-8370

Regarding: Project: 21209001-1 EML ID: 973592

EIVIL ID. 97 3392

Approved by:

Lab Manager Malcolm Moody Dates of Analysis:

Spore trap analysis: 09-24-2012

Service SOPs: Spore trap analysis (1038) AIHA accredited service

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.: Date of Sampling: 09-21-2012 Northern California Date of Receipt: 09-21-2012

C/O: Mr. Kenny Hsi, Mr. Larry Sandhu Date of Report: 09-24-2012

Re: 21209001-1

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21209001-	-1 TM15OUT	2120900	01-1 TM16	21209001-1 TM17		
Comments (see below)	1	None	N	Vone	None		
Lab ID-Version‡:	434	4128-1	434	4129-1	4344130-1		
Analysis Date:	09/2	24/2012	09/24/2012		09/2	24/2012	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	
Alternaria	1	13					
Ascospores	2	110					
Basidiospores	22	1,200	1	53			
Chaetomium	1	13					
Cladosporium	53	2,800					
Curvularia	1	13					
Epicoccum	2	27					
Myrothecium							
Nigrospora							
Oidium							
Other colorless							
Penicillium/Aspergillus types†	2	110					
Pithomyces							
Rusts	3	40					
Smuts, Periconia, Myxomycetes	16	210	8	110	1	13	
Stachybotrys							
Stemphylium							
Torula	2	27					
Ulocladium							
Zygomycetes							
Background debris (1-4+)††	3+		2+		1+		
Hyphal fragments/m3	120		< 13		13		
Pollen/m3	< 13		< 13		< 13		
Skin cells (1-4+)	1+		1+		1+		
Sample volume (liters)	75		75		75		
§ TOTAL SPORES/m3		4,600		160		13	

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

EMLab P&K, LLC

[†] The spores of Aspergillus and Penicillium (and others such as Acremonium, Paecilomyces) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.

^{††}Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory. ‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

[§] Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

Client: Hygiene Technologies International, Inc.: Date of Sampling: 09-21-2012 Northern California Date of Receipt: 09-21-2012 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu Date of Report: 09-24-2012

Re: 21209001-1

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	212090	01-1 TM18	2120900	01-1 TM19	21209001-1 TM20		
Comments (see below)	1	None	N	Vone	None		
Lab ID-Version‡:	4344131-1		434	4132-1	4344133-1		
Analysis Date:	09/24/2012		09/2	24/2012	09/24/2012		
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	
Alternaria		_		_		_	
Ascospores							
Basidiospores							
Chaetomium							
Cladosporium					1	53	
Curvularia							
Epicoccum							
Myrothecium							
Nigrospora			1	13			
Oidium			1	13			
Other colorless							
Penicillium/Aspergillus types†							
Pithomyces							
Rusts							
Smuts, Periconia, Myxomycetes	1	13	1	13	1	13	
Stachybotrys							
Stemphylium							
Torula							
Ulocladium							
Zygomycetes							
Background debris (1-4+)††	2+		2+		2+		
Hyphal fragments/m3	53		13		27		
Pollen/m3	< 13		13		< 13		
Skin cells (1-4+)	1+		1+		1+		
Sample volume (liters)	75		75		75		
§ TOTAL SPORES/m3		13		40		67	

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

EMLab P&K, LLC EMLab ID: 973592, Page 3 of 3

[†] The spores of Aspergillus and Penicillium (and others such as Acremonium, Paecilomyces) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.

^{††}Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory. ‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

[§] Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

Client: Hygiene Technologies International, Inc.:

Northern California

C/O: Mr. Kenny Hsi, Mr. Larry Sandhu

Re: 21209001-1

Date of Sampling: 09-21-2012 Date of Receipt: 09-21-2012 Date of Report: 09-24-2012

MoldRANGETM: Extended Outdoor Comparison Outdoor Location: 21209001-1 TM15OUT

Fungi Identified	Outdoor	Typical Outdoor Data for:					Typical Outdoor Data for:						
	data	September in California (n‡=14180)†					The entire year in California (n‡=175031)†						
	spores/m3	very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	13	13	13	27	53	93	61	13	13	27	67	110	55
Bipolaris/Drechslera group	-	7	13	13	27	53	19	7	13	13	27	40	12
Chaetomium	13	8	13	13	27	53	27	8	13	13	27	44	19
Cladosporium	2,800	170	320	850	2,100	3,500	99	110	210	640	1,700	2,800	97
Curvularia	13	7	13	13	40	60	16	7	13	13	27	53	6
Epicoccum	27	7	13	13	27	53	21	8	13	13	33	53	19
Nigrospora	-	10	13	13	40	93	18	7	13	13	27	53	8
Penicillium/Aspergillus types	110	53	110	270	750	1,200	90	53	110	210	590	1,000	85
Stachybotrys	-	7	13	13	27	67	5	7	13	13	33	67	4
Torula	27	7	13	13	40	67	14	8	13	13	40	67	12
Seldom found growing indoors**													
Ascospores	110	13	33	80	210	370	68	25	53	110	350	690	72
Basidiospores	1,200	49	67	190	480	850	93	53	80	270	1,000	2,300	94
Rusts	40	8	13	13	40	80	27	13	13	13	53	80	27
Smuts, Periconia, Myxomycetes	210	13	13	40	120	190	75	13	13	40	110	200	68
§ TOTAL SPORES/m3	4,600												

[†]The 'Typical Outdoor Data' represents the typical outdoor spore levels for the location and time frame indicated. The last column represents the frequency of occurrence. The very low, low, med, high, and very high values represent the 10, 20, 50, 80, and 90 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 20% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. In addition, EMLab P&K may not have received and tested a representative number of samples for every region or time period. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken or omitted in reliance upon, this report.

EMLab P&K, LLC EMLab ID: 973592, Page 1 of 1

[§] Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

^{*}The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

^{**}These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

 $[\]ddagger$ n = number of samples used to calculate data.

Client: Hygiene Technologies International, Inc.:

Northern California

C/O: Mr. Kenny Hsi, Mr. Larry Sandhu

Re: 21209001-1

Date of Sampling: 09-21-2012 Date of Receipt: 09-21-2012 Date of Report: 09-24-2012

MoldSTATTM: Supplementary Statistical Spore Trap Report

Outdoor Summary: 21209001-1 TM15OUT:

Species detected		Outdoor	r sample s	pores/m3	Typica	Freq.		
	<100	1K	10K	>100K	(No	rth An	nerica)	%
Alternaria				13	7 -	33	- 560	47
Ascospores				110] 13 -	190	- 5,400	77
Basidiospores				1,200] 13 -	430	- 22,000	92
Chaetomium				13] 7 -	13	- 150	10
Cladosporium				2,800] 27 -	480	- 10,000	91
Curvularia				13] 7 -	27	- 610	18
Epicoccum				27] 7 -	20	- 360	26
Penicillium/Aspergillus types				110] 13 -	160	- 2,600	70
Rusts				40] 7 -	20	- 360	21
Smuts, Periconia, Myxomycetes				210] 7 -	47	- 960	65
Torula				27] 7 -	13	- 170	9
Total				4,600				

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurrence is 63%, it would mean that we typically detect the given spore type on 63 percent of all outdoor samples and, when detected, 2.5% of the time it is present in levels below 53 spores/m3.

Indoor Samples

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)		ent ratio** /outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)		
Result: 3%	dF: 4 Result: 2.0000 Critical value: 9.4877 Inside Similar: Yes	Result	:: 0.3077	dF: 11 Result: 0.6318 Critical value: 0.5273 Outside Similar: Yes	Score: 120 Result: Low		
Species 1	Detected			Spores/m3			
		<100	1K	10K	>100K		
	Basidiospores				53		
Smuts, Periconia, Myxomycetes					110		
	Total				160		

Client: Hygiene Technologies International, Inc.: Northern California

Date of Sampling: 09-21-2012 Date of Receipt: 09-21-2012 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu Date of Report: 09-24-2012

Re: 21209001-1

MoldSTATTM: Supplementary Statistical Spore Trap Report

Location: 21209001-1 TM17

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)		
Result: < 1%	dF: 4 Result: 2.0000 Critical value: 9.4877 Inside Similar: Yes	Result: 0.1667	dF: 11 Result: 0.5386 Critical value: 0.5273 Outside Similar: Yes	Score: 102 Result: Low		
Species 1	Detected		Spores/m3			
		<100 1K	10K	>100K		
Smuts, F	Periconia, Myxomycetes			13		
	Total			13		

Location: 21209001-1 TM18

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)		ent ratio** /outdoor)	Spearman rank correlation*** (indoor/outdoor	(indoor/outdoor)
Result: < 1%	dF: 4 Result: 2.0000 Critical value: 9.4877 Inside Similar: Yes	Result	: 0.1667	dF: 11 Result: 0.5386 Critical value: 0.522 Outside Similar: Ye	
Species 1	Detected				
		<100	1K	10K	>100K
Smuts, P	ericonia, Myxomycetes Total				13

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)				
Result: < 1%	dF: 4 Result: 2.0000 Critical value: 9.4877 Inside Similar: Yes	Result	: 0.1429	dF: 13 Result: -0.0082 Critical value: 0.4780 Outside Similar: No	Score: 107 Result: Low				
Species 1	Detected	Spores/m3							
		<100	1K	10K	>100K				
	Nigrospora				13				
	Oidium				13				
Smuts, Periconia, Myxomycetes					13				
	Total				40				

Client: Hygiene Technologies International, Inc.:

Northern California

C/O: Mr. Kenny Hsi, Mr. Larry Sandhu Date o

Re: 21209001-1

Date of Sampling: 09-21-2012 Date of Receipt: 09-21-2012 Date of Report: 09-24-2012

MoldSTATTM: Supplementary Statistical Spore Trap Report

Location: 21209001-1 TM20

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)		
Result: 1%	dF: 4 Result: 2.0000 Critical value: 9.4877 Inside Similar: Yes	Result: 0.3077	dF: 11 Result: 0.6955 Critical value: 0.5273 Outside Similar: Yes	Score: 102 Result: Low		
Species 1	Detected		Spores/m3			
		<100 1K	10K	>100K		
	Cladosporium			53		
Smuts, P	Periconia, Myxomycetes			13		
	Total			67		

^{*} The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

**** MoldSCORETM is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. EMLab P&Kreserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor ranges" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. With the statistical analysis provided, as with all statistical comparisons and analyses, false-positive and false-negative results can and do occur. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the data contained in, or any actions taken or omitted in reliance upon, this report.

^{**} An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.

^{***} The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H0) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

Client: Hygiene Technologies International, Inc.:

Northern California

C/O: Mr. Kenny Hsi, Mr. Larry Sandhu

Re: 21209001-1

Date of Sampling: 09-21-2012 Date of Receipt: 09-21-2012 Date of Report: 09-24-2012

MoldSCORETM: Spore Trap Report

Outdoor Sample: 21209001-1 TM15OUT

Fungi Identified	Ou	tdo	or	sam	ple	e sj	or	es/	m3	Raw	Spores/
_	<100)	1	K		10	OΚ	>	100I	count	m3
Generally able to grow indoors*											
Alternaria										1	13
Bipolaris/Drechslera group										ND	< 13
Chaetomium						Ш				1	13
Cladosporium						Ш			Ш	53	2,800
Curvularia										1	13
Epicoccum										2	27
Nigrospora										ND	< 13
Penicillium/Aspergillus types†										2	110
Stachybotrys										ND	< 13
Torula										2	27
Seldom found growing indoors**											
Ascospores										2	110
Basidiospores						Ш			Ш	22	1,200
Rusts										3	40
Smuts, Periconia, Myxomycetes										16	210
Total											4,560

Fungi Identified	Ind	oor s	samp	le s	spor	es/n	13	Raw	Spores/
	<100		1K		10K	>	100K	count	m3
Generally able to grow indoors*	<u></u>								
Alternaria				Ш				ND	< 13
Bipolaris/Drechslera group				Ш				ND	< 13
Chaetomium				Ш				ND	< 13
Cladosporium								ND	< 13
Curvularia				Ш				ND	< 13
Nigrospora								ND	< 13
Penicillium/Aspergillus types†								ND	< 13
Stachybotrys								ND	< 13
Torula								ND	< 13
Seldom found growing indoors**									
Ascospores								ND	< 13
Basidiospores								1	53
Rusts								ND	< 13
Smuts, Periconia, Myxomycetes								8	110
Total									160

100	MoldSCORE 200 300								
			100						
			100						
			100						
			100						
			100						
			100						
			100						
			100						
			100						
			100						
			101						
			100						
			120						
Fina	Final MoldSCORE								

Client: Hygiene Technologies International, Inc.: Northern California

C/O: Mr. Kenny Hsi, Mr. Larry Sandhu

Re: 21209001-1

Date of Sampling: 09-21-2012 Date of Receipt: 09-21-2012 Date of Report: 09-24-2012

MoldSCORETM: Spore Trap Report

Location: 21209001-1 TM17

Fungi Identified	Indo	or	sam	ple	spore	es/n	13	Raw	Spores/
	<100		1K		10K	>	100k	count	m3
Generally able to grow indoors*									
Alternaria								ND	< 13
Bipolaris/Drechslera group								ND	< 13
Chaetomium								ND	< 13
Cladosporium								ND	< 13
Curvularia								ND	< 13
Nigrospora								ND	< 13
Penicillium/Aspergillus types†								ND	< 13
Stachybotrys								ND	< 13
Torula								ND	< 13
Seldom found growing indoors**									
Ascospores								ND	< 13
Basidiospores								ND	< 13
Rusts								ND	< 13
Smuts, Periconia, Myxomycetes								1	13
Total									13

MoldSCORE;									
	100								
	100								
	100								
	100								
	100								
	100								
	100								
	100								
	100								
	100								
	100								
	100								
	102								
Final MoldSCORE	102								

Fungi Identified	Ind	oor s	amp	le s	por	es/r	n3	Raw	Spores/
	<100		١K		10K	>	100K	count	m3
Generally able to grow indoors*									
Alternaria								ND	< 13
Bipolaris/Drechslera group								ND	< 13
Chaetomium								ND	< 13
Cladosporium								ND	< 13
Curvularia								ND	< 13
Nigrospora								ND	< 13
Penicillium/Aspergillus types†								ND	< 13
Stachybotrys								ND	< 13
Torula								ND	< 13
Seldom found growing indoors**									
Ascospores								ND	< 13
Basidiospores								ND	< 13
Rusts								ND	< 13
Smuts, Periconia, Myxomycetes								1	13
Total									13

100	MoldSC 200		Score				
			100				
			100				
			100				
			100				
			100				
			100				
			100				
			100				
			100				
			100				
			100				
			100				
			102				
Fina	l MoldSC	ORE	102				

Client: Hygiene Technologies International, Inc.: Northern California

C/O: Mr. Kenny Hsi, Mr. Larry Sandhu

Re: 21209001-1

Date of Sampling: 09-21-2012 Date of Receipt: 09-21-2012 Date of Report: 09-24-2012

MoldSCORETM: Spore Trap Report

Location: 21209001-1 TM19

Fungi Identified	In	dooi	sam	ple	spor	es/r	n3	Raw	Spores/
	<100		1K		10K	>	100K	count	m3
Generally able to grow indoors*									
Alternaria								ND	< 13
Bipolaris/Drechslera group								ND	< 13
Chaetomium								ND	< 13
Cladosporium								ND	< 13
Curvularia								ND	< 13
Nigrospora								1	13
Penicillium/Aspergillus types†								ND	< 13
Stachybotrys								ND	< 13
Torula								ND	< 13
Seldom found growing indoors**									
Ascospores								ND	< 13
Basidiospores								ND	< 13
Oidium								1	13
Rusts								ND	< 13
Smuts, Periconia, Myxomycetes								1	13
Total									40

MoldSCORE 100 200 300	
	100
	100
	100
	100
	100
	105
	100
	100
	100
	100
	100
	105
	100
	102
Final MoldSCORE	107

Fungi Identified	Indo	or	samp	le spo	res/	m3	Rav	v Spores/
	<100		1 K	10k	(>100	coun	nt m3
Generally able to grow indoors*								
Alternaria							ND	< 13
Bipolaris/Drechslera group						Ш	ND	< 13
Chaetomium							ND	< 13
Cladosporium							1	53
Curvularia							ND	< 13
Nigrospora							ND	< 13
Penicillium/Aspergillus types†							ND	< 13
Stachybotrys							ND	< 13
Torula							ND	< 13
Seldom found growing indoors**								
Ascospores							ND	< 13
Basidiospores							ND	< 13
Rusts							ND	< 13
Smuts, Periconia, Myxomycetes							1	13
Total								67

100	MoldSC 200		Score
			100
			100
			100
			101
			100
			100
			100
			100
			100
			100
			100
			100
			102
Fina	al MoldSC	ORE	102

Client: Hygiene Technologies International, Inc.:

Northern California

C/O: Mr. Kenny Hsi, Mr. Larry Sandhu

Re: 21209001-1

Date of Sampling: 09-21-2012 Date of Receipt: 09-21-2012 Date of Report: 09-24-2012

MoldSCORETM: Spore Trap Report

*The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

**These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

†The spores of Aspergillus and Penicillium (and others such as Acremonium, Paecilomyces) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods.

‡Rated on a scale from 100 to 300. A rating less than 150 is low and indicates a low probability of spores originating inside. A rating greater than 250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A rating between 150 and 250 indicates a moderate likelihood of indoor fungal growth. MoldSCORE is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the analysis on other samples (like wall cavity samples) will lead to misleading results.

EMLab P&K, LLC EMLab ID: 973592, Page 4 of 4



Report for:

Mr. Kenny Hsi, Mr. Larry Sandhu Hygiene Technologies International, Inc.: Northern California 3625 Del Amo Boulevard, Suite 180 Torrance, CA 90503-8370

Regarding: Project: 21209001-1 EML ID: 977026

Approved by:

Lab Manager Malcolm Moody Dates of Analysis:

Spore trap analysis: 10-02-2012

Service SOPs: Spore trap analysis (1038) AIHA accredited service

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.: Date of Sampling: 09-28-2012 Northern California Date of Receipt: 10-01-2012

C/O: Mr. Kenny Hsi, Mr. Larry Sandhu Date of Report: 10-02-2012

Re: 21209001-1

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21209001	-1TM21OUT	212090	01-1TM22	212090	01-1TM23
Comments (see below)	1	None	N	Vone	1	None
Lab ID-Version‡:	435	9634-1	435	9635-1	435	9636-1
Analysis Date:	10/0	02/2012	10/0	02/2012	10/02/2012	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	4	53				
Ascospores	1	53				
Basidiospores	11	590	2	110	1	53
Chaetomium	3	40				
Cladosporium	49	2,600				
Curvularia		·				
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora	7	93				
Other colorless						
Penicillium/Aspergillus types†	28	1,500				
Pithomyces		·				
Rusts						
Smuts, Periconia, Myxomycetes	103	1,400	1	13		
Stachybotrys	1	13				
Stemphylium	1	13				
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	3+		2+		2+	
Hyphal fragments/m3	130		< 13		< 13	
Pollen/m3	27		27		< 13	
Skin cells (1-4+)	< 1+		1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		6,300		120		53

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

EMLab P&K, LLC EMLab ID: 977026, Page 2 of 3

[†] The spores of Aspergillus and Penicillium (and others such as Acremonium, Paecilomyces) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.

^{††}Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory. ‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

[§] Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

Client: Hygiene Technologies International, Inc.: Date of Sampling: 09-28-2012 Northern California Date of Receipt: 10-01-2012

C/O: Mr. Kenny Hsi, Mr. Larry Sandhu Date of Report: 10-02-2012

Re: 21209001-1

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	212090	01-1TM24	212090	01-1TM25	212090	01-1TM26	
Comments (see below)	1	None	N	Vone	1	None	
Lab ID-Version‡:	435	9637-1	435	9638-1	435	9639-1	
Analysis Date:	10/0	02/2012	10/0	02/2012	10/02/2012		
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	
Alternaria							
Ascospores							
Basidiospores	1	53	2	110	1	53	
Chaetomium							
Cladosporium							
Curvularia							
Epicoccum							
Fusarium							
Myrothecium							
Nigrospora							
Other colorless							
Penicillium/Aspergillus types†	2	110			1	53	
Pithomyces							
Rusts							
Smuts, Periconia, Myxomycetes							
Stachybotrys							
Stemphylium							
Torula							
Ulocladium							
Zygomycetes							
Background debris (1-4+)††	3+		2+		2+		
Hyphal fragments/m3	13		< 13		< 13		
Pollen/m3	< 13		< 13		< 13		
Skin cells (1-4+)	2+		1+		1+		
Sample volume (liters)	75		75		75		
§ TOTAL SPORES/m3		160		110		110	

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

EMLab P&K, LLC EMLab ID: 977026, Page 3 of 3

[†] The spores of Aspergillus and Penicillium (and others such as Acremonium, Paecilomyces) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.

^{††}Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory. ‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

[§] Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

Client: Hygiene Technologies International, Inc.:

Northern California

C/O: Mr. Kenny Hsi, Mr. Larry Sandhu

Re: 21209001-1

Date of Sampling: 09-28-2012 Date of Receipt: 10-01-2012 Date of Report: 10-02-2012

$\textbf{MoldRANGE}^{\text{TM}}\textbf{:} \ \textbf{Extended Outdoor Comparison}$

Outdoor Location: 21209001-1TM21OUT

Fungi Identified	Outdoor	Typical Outdoor Data for:						Typical Outdoor Data for:					
	data	Septe	September in California (n‡=14180)†					The entire year in California (n‡=175031)†					
	spores/m3	very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	53	13	13	27	53	93	61	13	13	27	67	110	55
Bipolaris/Drechslera group	-	7	13	13	27	53	19	7	13	13	27	40	12
Chaetomium	40	8	13	13	27	53	27	8	13	13	27	44	19
Cladosporium	2,600	170	320	850	2,100	3,500	99	110	210	640	1,700	2,800	97
Curvularia	-	7	13	13	40	60	16	7	13	13	27	53	6
Nigrospora	93	10	13	13	40	93	18	7	13	13	27	53	8
Penicillium/Aspergillus types	1,500	53	110	270	750	1,200	90	53	110	210	590	1,000	85
Stachybotrys	13	7	13	13	27	67	5	7	13	13	33	67	4
Stemphylium	13	7	13	13	27	40	10	7	13	13	27	40	9
Torula	-	7	13	13	40	67	14	8	13	13	40	67	12
Seldom found growing indoors**													
Ascospores	53	13	33	80	210	370	68	25	53	110	350	690	72
Basidiospores	590	49	67	190	480	850	93	53	80	270	1,000	2,300	94
Rusts	-	8	13	13	40	80	27	13	13	13	53	80	27
Smuts, Periconia, Myxomycetes	1,400	13	13	40	120	190	75	13	13	40	110	200	68
§ TOTAL SPORES/m3	6,300												

[†]The 'Typical Outdoor Data' represents the typical outdoor spore levels for the location and time frame indicated. The last column represents the frequency of occurrence. The very low, low, med, high, and very high values represent the 10, 20, 50, 80, and 90 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 20% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. In addition, EMLab P&K may not have received and tested a representative number of samples for every region or time period. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken or omitted in reliance upon, this report.

EMLab P&K, LLC EMLab ID: 977026, Page 1 of 1

[§] Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

^{*}The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

^{**}These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

 $[\]ddagger$ n = number of samples used to calculate data.

Client: Hygiene Technologies International, Inc.:

Northern California

C/O: Mr. Kenny Hsi, Mr. Larry Sandhu

Re: 21209001-1

Date of Sampling: 09-28-2012 Date of Receipt: 10-01-2012 Date of Report: 10-02-2012

MoldSTATTM: Supplementary Statistical Spore Trap Report

Outdoor Summary: 21209001-1TM21OUT:

Species detected		Outdoo	r sample s _l	pores/m3		Typical	outdo	or ranges	Freq.
	<100	1K	10K	>100K		(Nor	th An	nerica)	%
Alternaria				5	53	7 -	33	- 560	47
Ascospores				5	53	13 -	190	- 5,400	77
Basidiospores				59	90	13 -	430	- 22,000	92
Chaetomium				4	10	7 -	13	- 150	10
Cladosporium				2,0	600	27 -	480	- 10,000	91
Nigrospora				9	93	7 -	13	- 230	16
Penicillium/Aspergillus types				1,5	500	13 -	160	- 2,600	70
Smuts, Periconia, Myxomycetes				1,4	400	7 -	47	- 960	65
Stachybotrys				1	13	7 -	13	- 530	3
Stemphylium				1	13	7 -	13	- 80	3
Total				6,3	300				

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurrence is 63%, it would mean that we typically detect the given spore type on 63 percent of all outdoor samples and, when detected, 2.5% of the time it is present in levels below 53 spores/m3.

Indoor Samples

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)		
Result: 1%	dF: 4 Result: 1.7333 Critical value: 9.4877 Inside Similar: Yes	Result: 0.3333	dF: 10 Result: 0.4970 Critical value: 0.5515 Outside Similar: No	Score: 111 Result: Low		
Species 1	Detected		Spores/m3			
		<100 1K	10K	>100K		
	Basidiospores			110		
Smuts, Periconia, Myxomycetes				13		
	Total			120		

Date of Sampling: 09-28-2012

Client: Hygiene Technologies International, Inc.: Northern California

Date of Receipt: 10-01-2012 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu Date of Report: 10-02-2012

Re: 21209001-1

MoldSTATTM: Supplementary Statistical Spore Trap Report

Location: 21209001-1TM23

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 4 Result: 1.7333 Critical value: 9.4877 Inside Similar: Yes	Result: 0.1818		dF: 10 Result: 0.4606 Critical value: 0.5515 Outside Similar: No	Score: 105 Result: Low
Species Detected				Spores/m3	
		<100	1K	10K	>100K
	Basidiospores				53
	Total				53

Location: 21209001-1TM24

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreemen (indoor/o		corre	man rank lation*** r/outdoor)	MoldSCORE**** (indoor/outdoor)		
Result: 2%	dF: 4 Result: 1.7333 Critical value: 9.4877 Inside Similar: Yes	Result: (0.3333	Resul Critical v	F: 10 lt: 0.5758 value: 0.5515 Similar: Yes	Score: 111 Result: Low		
Species 1	Detected			Spo	res/m3			
		<100	1K		10K	>100K		
	Basidiospores					53	3	
Penicillium/Aspergillus types						110	0	
	Total					160	0	

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)		nt ratio** outdoor)	correl	nan rank ation*** :/outdoor)	MoldSCORE**** (indoor/outdoor)		
Result: 1%	dF: 4 Result: 1.7333 Critical value: 9.4877 Inside Similar: Yes	Result	: 0.1818	Resul Critical v	F: 10 t: 0.4606 value: 0.5515 Similar: No	Score: 111 Result: Low		
Species 1	Detected		Spores/m3					
		<100	1K		10K	>100K		
	Basidiospores					110		
	Total					110		

Client: Hygiene Technologies International, Inc.:

Northern California

C/O: Mr. Kenny Hsi, Mr. Larry Sandhu Da

Re: 21209001-1

Date of Sampling: 09-28-2012 Date of Receipt: 10-01-2012 Date of Report: 10-02-2012

MoldSTATTM: Supplementary Statistical Spore Trap Report

Location: 21209001-1TM26

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman ran correlation** (indoor/outdoo	*	MoldSCORE**** (indoor/outdoor)		
Result: 1%	dF: 4 Result: 1.7333 Critical value: 9.4877 Inside Similar: Yes	Re	esult: 0.3333	dF: 10 Result: 0.5667 Critical value: 0.55 Outside Similar: Y	_	Score: 105 Result: Low		
Species	Detected			Spores/m3				
		<100	1K	10K		>100K		
	Basidiospores					53		
Penic	illium/Aspergillus types					53		
	Total					110		

^{*} The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

**** MoldSCORETM is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. EMLab P&Kreserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor ranges" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. With the statistical analysis provided, as with all statistical comparisons and analyses, false-positive and false-negative results can and do occur. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the data contained in, or any actions taken or omitted in reliance upon, this report.

EMLab P&K, LLC EMLab ID: 977026, Page 3 of 3

^{**} An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.

^{***} The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H0) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

Client: Hygiene Technologies International, Inc.:

Northern California

C/O: Mr. Kenny Hsi, Mr. Larry Sandhu

Re: 21209001-1

Date of Sampling: 09-28-2012 Date of Receipt: 10-01-2012 Date of Report: 10-02-2012

MoldSCORETM: **Spore Trap Report Outdoor Sample:** 21209001-1TM21OUT

Fungi Identified	Ou	tdo	or	sam	ple	sp	ore	s/r	n3	Raw	Spores/
	<100)		ΙK		10 I	ζ	>1	00K	count	m3
Generally able to grow indoors*											
Alternaria										4	53
Bipolaris/Drechslera group										ND	< 13
Chaetomium										3	40
Cladosporium										49	2,600
Curvularia										ND	< 13
Nigrospora										7	93
Penicillium/Aspergillus types†										28	1,500
Stachybotrys										1	13
Stemphylium										1	13
Torula										ND	< 13
Seldom found growing indoors**											
Ascospores										1	53
Basidiospores										11	590
Rusts										ND	< 13
Smuts, Periconia, Myxomycetes										103	1,400
Total											6,333

Fungi Identified	In	do	or	sam	ple	S	por	es/ı	m3	;	Raw	Spores/
	<100)		1K			10K	3	>100	K	count	m3
Generally able to grow indoors*												
Alternaria											ND	< 13
Bipolaris/Drechslera group											ND	< 13
Chaetomium											ND	< 13
Cladosporium											ND	< 13
Curvularia											ND	< 13
Nigrospora											ND	< 13
Penicillium/Aspergillus types†											ND	< 13
Stachybotrys											ND	< 13
Torula											ND	< 13
Seldom found growing indoors**												
Ascospores											ND	< 13
Basidiospores											2	110
Rusts											ND	< 13
Smuts, Periconia, Myxomycetes											1	13
Total												120

MoldS	MoldSCORE;										
100 200	300	Score									
		100									
		100									
		100									
		100									
		100									
		100									
		100									
		100									
		100									
		100									
		111									
		100									
		100									
Final MoldS	CORE	111									

Client: Hygiene Technologies International, Inc.: Northern California

C/O: Mr. Kenny Hsi, Mr. Larry Sandhu

Re: 21209001-1

Date of Sampling: 09-28-2012 Date of Receipt: 10-01-2012 Date of Report: 10-02-2012

MoldSCORETM: Spore Trap Report

Location: 21209001-1TM23

Fungi Identified	Indo	or s	ampl	e s	pore	s/m	13	Raw	Spores/
	<100	1	K		10K	>1	100K	count	m3
Generally able to grow indoors*									
Alternaria								ND	< 13
Bipolaris/Drechslera group								ND	< 13
Chaetomium								ND	< 13
Cladosporium								ND	< 13
Curvularia								ND	< 13
Nigrospora								ND	< 13
Penicillium/Aspergillus types†								ND	< 13
Stachybotrys								ND	< 13
Torula								ND	< 13
Seldom found growing indoors**									
Ascospores								ND	< 13
Basidiospores								1	53
Rusts								ND	< 13
Smuts, Periconia, Myxomycetes								ND	< 13
Total									53

100	MoldSC 200	ORE:	
100	200	300	Beore
			100
			100
			100
			100
			100
			100
			100
			100
			100
			100
			105
			100
			100
Fina	al MoldSC	ORE	105

Fungi Identified	Inc	loo	r sa	mp	le s	spor	es	m3	Raw	Spores/
	<100		1 I			10K		>100	count	m3
Generally able to grow indoors*										
Alternaria			Ш						ND	< 13
Bipolaris/Drechslera group									ND	< 13
Chaetomium			Ш						ND	< 13
Cladosporium									ND	< 13
Curvularia									ND	< 13
Nigrospora									ND	< 13
Penicillium/Aspergillus types†									2	110
Stachybotrys									ND	< 13
Torula									ND	< 13
Seldom found growing indoors**										
Ascospores									ND	< 13
Basidiospores									1	53
Rusts									ND	< 13
Smuts, Periconia, Myxomycetes									ND	< 13
Total										160

100	MoldSC 200		Score						
100		200	50010						
			100						
			100						
			100						
			100						
			100						
			100						
			111						
			100						
			100						
			100						
			104						
			100						
			100						
Fina	Final MoldSCORE								

Client: Hygiene Technologies International, Inc.: Northern California

C/O: Mr. Kenny Hsi, Mr. Larry Sandhu

Re: 21209001-1

Date of Sampling: 09-28-2012 Date of Receipt: 10-01-2012 Date of Report: 10-02-2012

MoldSCORETM: Spore Trap Report

Location: 21209001-1TM25

Fungi Identified	Indo	or samp	le spore	s/m3	Raw	Spores/
	<100	1K	10K	>100K	count	m3
Generally able to grow indoors*						
Alternaria					ND	< 13
Bipolaris/Drechslera group					ND	< 13
Chaetomium					ND	< 13
Cladosporium					ND	< 13
Curvularia					ND	< 13
Nigrospora					ND	< 13
Penicillium/Aspergillus types†					ND	< 13
Stachybotrys					ND	< 13
Torula					ND	< 13
Seldom found growing indoors**						
Ascospores					ND	< 13
Basidiospores					2	110
Rusts					ND	< 13
Smuts, Periconia, Myxomycetes					ND	< 13
Total						107

MoldSCORE:	
	100
	100
	100
	100
	100
	100
	100
	100
	100
	100
	111
	100
	100
Final MoldSCORE	111

Fungi Identified	Indo	or sam	ple spore	s/m3	Raw	Spores/
	<100	1K	10K	>100K	count	m3
Generally able to grow indoors*						
Alternaria					ND	< 13
Bipolaris/Drechslera group					ND	< 13
Chaetomium					ND	< 13
Cladosporium					ND	< 13
Curvularia					ND	< 13
Nigrospora					ND	< 13
Penicillium/Aspergillus types†					1	53
Stachybotrys					ND	< 13
Torula					ND	< 13
Seldom found growing indoors**						
Ascospores					ND	< 13
Basidiospores					1	53
Rusts					ND	< 13
Smuts, Periconia, Myxomycetes					ND	< 13
Total						107

MoldSCORE‡ 200 300 Score			
			100
			100
			100
			100
			100
			100
			104
			100
			100
			100
			105
			100
			100
Fina	al MoldSC	ORE	105

Client: Hygiene Technologies International, Inc.:

Northern California

C/O: Mr. Kenny Hsi, Mr. Larry Sandhu

Re: 21209001-1

Date of Sampling: 09-28-2012 Date of Receipt: 10-01-2012 Date of Report: 10-02-2012

MoldSCORETM: Spore Trap Report

*The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

**These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

†The spores of Aspergillus and Penicillium (and others such as Acremonium, Paecilomyces) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods.

‡Rated on a scale from 100 to 300. A rating less than 150 is low and indicates a low probability of spores originating inside. A rating greater than 250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A rating between 150 and 250 indicates a moderate likelihood of indoor fungal growth. MoldSCORE is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the analysis on other samples (like wall cavity samples) will lead to misleading results.

EMLab P&K, LLC EMLab ID: 977026, Page 4 of 4





Torrance, Callfornia 90503-1643 (310) 370-8370 (310) 370-2474 FAX

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Project Number/Purchs	se.Order:	21209001	- Date Submitted: 2/2/(2	
Project Contact;	Leandlin	16-hsi	Turnaround Required: Normal	
Lab Destination:	- GMLAB		Lab Contact: Sample 120Ce Ning	
SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED	
21209001-1 TMO1	out 75L.	A Novo-cell	" " " " " " " " " " " " " " " " " " " "	
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TMAS				
Track Track	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	 		
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2. Relinquished by:	formally on	9 9 12 0179	Received by: White Mally 9 10 11 80 M	
3. Relinquished by: _		lease include signatu	Received by:	
Lab Use Only:		The street of the street	se, and the	
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.80 Torrance, California 90503-1643 (310) 370-8370

(310) 370-2474 FAX www.hygienetech.com

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Project Number/Purcha			·	
Project Contact:			Turnaround Required:	
Lab Destination:	EMLAC	l	Lab Contact: Sample Receiving	
SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED	
2120960 - TM06046	75L	Arrocall	SporeTrap	
21209001-1 JMO7				
21209001-1 TMU8		<u> </u>		
2120900 - TMO9				
2 (20900)- TMIB				
21209001-1 TMI		 		
21209001-1 7M12		<u> </u>		
21209001-1 71713	\			
21209001-17M14	· ~		<u> </u>	
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Special Instructions:				
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	- M	9/11/12/01	5.00 · · · · · · · ·	
1. Sampled by:				
2. Relinquished by:	tandhu o.v.	<u>1 16112 (3)</u>	SPA	
3. Relinquished by:	<u>-</u>	Please include sign	Received by:	
Lob Das Only	·	JIGHT JIGHT		
Lab Use Only:				
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3625 Del Amo <u>ผมของสัต, Sunta 180</u> Torrance, California 90503-1643 (310) 370-8370 (310) 370-2474 FAX • www.hygrenetech.com

		212 29 2 21	_(Date Submitted: 9/21/12	
Project Number/Purcha	se Order:	1201001		
Project Contact:	-Janghy	1 12. hsi	Turnaround Required:	
Lab Destination:	EMLAB	<u>. </u>	Lab Contact: Sample Receiving	
SAMPLE ID	VOLUME	MEDI <u>A</u>	ANALYSIS REQUESTED	
2120900 - TMISOUT	75L	Air-o-cell	spore Trap AnalySD	
21209001 TMG				
21209001-1 TMI7				
21209VOI-1-TM18				
21209001-1 TM19				
212090U-1 7M20	4	¥	<u> </u>	
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		-		
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Special Instructions:	12 an	Jon 8	ampling (Round-3)	
			<u> </u>	
1. Sampled by: + Fundly in 9/21/2 @ 10:14 Received by: (11.)				
2. Relinquished by: # maly on 9/21/12@13:15 Received by:				
3. Relinquished by: Received by:				
Please include signature, date, and time				
Lab Use Only:				
·				
				





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	· · · · · · · · · · · · · · · · · · ·		
Project Number/Purcha	se Order: 21:	209001 —	Date Submitted: 09 28 12
Project Contact: - Sand hu / K. hsi			Turnaround Required: Normal TAT
Lab Destination: Em	Lab PS	3 K.	Lab Contact: Simona Sing L.
SAMPLE ID	VOLUME	MEDIA	
21209001-17m21.			ANALYSIS REQUESTED
21209001-17m27		1	The state of the s
21209001-1Tm23		 	
21209001-1-TUNZ4			
21209001-1 TM25			
21209001-17m26	√	4	
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	<u>. </u>		
	· ·		
S NUID			
Special Instructions:	Landon	Sempling	
Sampled by: person		9/28 · R	Received by:
Relinquished by:	beens 160	n in land	11
Relinquished by: "		7/28/12@18200 R	eseived by:
ah Usa O-L	PI	case include signatur	c, date, and time
ab Use Only:			